

TATA SOLAR VENUS™

Tough, long lasting and cost-effective solar home lighting solutions



Original TATA branded high-quality, long-lasting modules



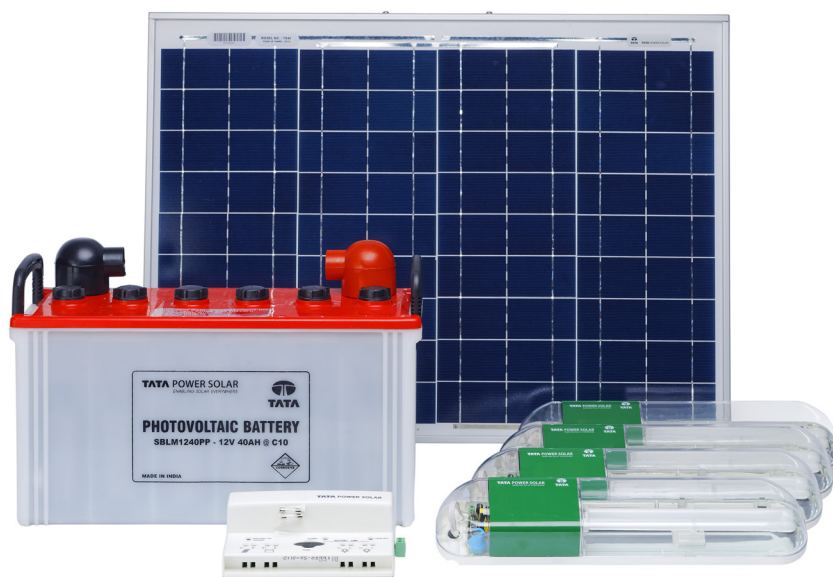
Flexible mounting positions and angle of inclination for the luminaire



Quick and easy installation



Certified IP21 enclosure for indoor use



FEATURES

- Luminaires with CFL preheat and LED thermal management technology for long life
- Smart battery management system with battery charging, low battery and load cut-off indicators
- System components with built-in reverse polarity, battery over-charge/deep-discharge, over load, short circuit and open circuit protection

BENEFITS

- Long life and high performance CFL/LED luminaire
- No dependence on grid or kerosene for power
- Adjustable direction of light for varied applications
- High back up (autonomy), even under extreme cloudy conditions
- Savings of up to ₹ 20,530 per year on kerosene consumption*
- Standard warranty of 1 year, extended warranty available

COMPONENTS

- Solar module: 10Wp to 70Wp
- High efficiency LED/CFL lamps: 1.8W to 9W
- Low maintenance, deep-cycle batteries: 7Ah to 75Ah
- Mounting brackets/structures and cables
- Mobile charger available on request
- Customized solutions with additional lights and fans available

(for more details, please see overleaf)

* Assuming Venus 350C replaces four kerosene lamps with each lamp consuming an average of 250ml per day at ₹ 45 per litre (actual non-subsidized kerosene price based on a village survey) for 365 days

Modules are IEC61215, IEC61730 and IEC61701 certified

Our products in this range **Venus**

SPECIFICATIONS	LED home lighting		CFL home lighting		LED & CFL home lighting	
	50L	100L	200C	350C	200CL	300CL
Type of lamp	LED	LED	CFL	CFL	CFL and LED	CFL and LED
LED lamps (WxQty.)	1.8x2/3.6x1	1.8x1+3.6x2	-	-	3.6x2	3.6x2
CFL lamps (WxQty.)	-	-	9x2	9x4	9x2	9x2
DC fan (WxQty.)	-	-	-	-	-	14x1
Solar module (Wp)	10	20	37	70	40	60
Battery (Ah)	7	14	40	75	40	40
Light output (lumens)	360	900	1200	2400	1920	1920
Recommended hours of charging at full sun shine (1kW/m ² irradiance) for daily usage of 4 hours (hours) *	3	3.5	4	4	5	5
Maximum autonomy days, assuming 4 hours of usage per day (days)	3	3	4	4	3	2
Maximum continuous back up (hours)	14	14	16	16	12	8
Savings from kerosene consumption in a year (₹)**	8,220	12,320	8,220	16,430	16,430	20,530

Specifications are subject to change without notification

* The charging time mentioned above is indicative only. It will vary with the age of the battery, previous day usage and other environmental factors.

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Tata Power Solar is committed to enabling solar everywhere and bringing the power of the sun to people in the most efficient and cost effective way possible.

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